

TRANSMITTAL LETTER TO THE UNITED STATES  
DESIGNATED/ELECTED OFFICE (DO/EO/US)  
CONCERNING A FILING UNDER 35 U.S.C. 371

DATE: October 13, 2006

U.S. APPLN. NO. (IF KNOWN, SEE  
37 C.F.R. 1.5) 10/571,315 (Unofficial)

INTERNATIONAL APPLICATION NO.  
PCT/JP2004/012968

INTERNATIONAL FILING DATE  
September 7, 2004

PRIORITY DATE CLAIMED  
September 9, 2003

TITLE OF INVENTION: METAL NANO-PARTICLES AND METHOD FOR PREPARING THE SAME, DISPERSION OF METAL NANO-PARTICLES AND METHOD FOR PREPARING THE SAME, AND THIN METALLIC WIRE AND METAL FILM AND METHOD FOR PREPARING THESE SUBSTANCES

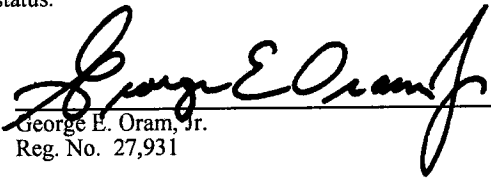
APPLICANT(S) FOR DO/EO/US: Tsutomu ATSUKI (Chiba-ken, Japan); Masaaki ODA (Chiba-ken, Japan);  
Toshiharu HAYASHI (Ibaraki-ken, Japan); and Reiko KIYOSHIMA (Ibaraki-ken, Japan)

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☐ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☒ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.
4. ☐ The U.S. has been elected (Article 31).
5. ☐ A copy of the International Application as filed [35 U.S.C. 371(c)(2)]
  - a. ☐ is attached hereto (required only if not transmitted by the International Bureau).
  - b. ☐ has been communicated by the International Bureau.
  - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☐ An English language translation of the International Application into English [35 U.S.C. 371(c)(2)].
  - a. ☐ is attached hereto.
  - b. ☐ has been previously submitted under 35 U.S.C. 154(d)(4).
7. ☐ Amendments to the claims of the International Application under PCT Article 19 [35 U.S.C. 371(c)(3)]
  - a. ☐ are attached hereto (required only if not transmitted by the International Bureau).
  - b. ☐ have been communicated by the International Bureau.
  - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
  - d. ☐ have not been made and will not be made.
8. ☐ An English language translation of the amendments to the claims under PCT Article 19 [35 U.S.C. 371(c)(3)].
9. ☒ An oath or declaration of the inventor(s) [35 U.S.C. 371(c)(4)].
10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 [35 U.S.C. 371(c)(5)].

**Items 11 to 20 below concern other document(s) or information included:**

11. ☐ An Information Disclosure Statement under 37 C.F.R. 1.97 and 1.98; and Form PTO-SB08.
12. ☐ An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.
13. ☐ A preliminary amendment.
14. ☐ An Application Data Sheet under 37 CFR 1.76.
15. ☐ A substitute specification.
16. ☐ A power of attorney and/or change of address letter.
17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.
18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).
19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).
20. ☐ Other items or information

|   |              |   |  |                                     |              |
|---|--------------|---|--|-------------------------------------|--------------|
| U.S. APPLN. NO. (IF KNOWN,<br>SEE 37 C.F.R. 1.50)<br>10/571,315 (Unofficial)  |              | INTERNATIONAL APPLICATION NO.<br>PCT/JP2004/012968                            |  | ATTORNEY DOCKET NO.<br>026390-00035 |              |
| The following fees are submitted:   |              |   |  | CALCULATIONS                        | PTO USE ONLY |
| 21. <input type="checkbox"/> Basic National Fee   |              | \$300.00  |  | \$                                  |              |
| 22. <input type="checkbox"/> Examination Fee<br>If International Preliminary Examination Report prepared by USPTO<br>and all claims satisfy provisions of PCT Article 33(1)-(4)   |              | \$100.00  |  | \$                                  |              |
| All other situations  |              | \$200.00  |  |                                     |              |
| 23. <input type="checkbox"/> Search Fee<br>Search Fee (37 CFR 1.445(a)(2)) has been paid on the International<br>Application to the USPTO as an International Searching Authority   |              | \$100.00  |  | \$                                  |              |
| International Search Report prepared and provided to the Office   |              | \$400.00  |  |                                     |              |
| All other situations  |              | \$500.00  |  |                                     |              |
| TOTAL OF CALCULATIONS FOR 21, 22 and 23 =   |              |   |  | \$                                  |              |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.  |              |   |  |                                     |              |
| Total Sheets  | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole number) | Rate   |                                     |              |
| - 100 =   | /50 =        |   | x \$250.00   | \$                                  |              |
| Surcharge of \$130.00 for furnishing the oath or declaration later than <input checked="" type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date [37 C.F.R. 1.492(e)].   |              |   |  | \$                                  | 130.00       |
| Claims  | Number Filed | Number Extra  | Rate   |                                     |              |
| Total Claims  | - 20 =       |   | x \$ 50.00   | \$                                  |              |
| Independent Claims  | - 3 =        |   | x \$200.00   | \$                                  |              |
| Multiple dependent claim(s) (if applicable)   |              |   | + \$360.00   | \$                                  |              |
| TOTAL OF ABOVE CALCULATIONS =   |              |   |  | \$                                  | 130.00       |
| Reduction by one-half for filing by small entity, if applicable. Small entity status under 37 C.F.R. §§1.9 and 1.27 is hereby claimed. -  |              |   |  | \$                                  |              |
| SUBTOTAL =  |              |   |  | \$                                  |              |
| Processing fee of \$130.00 for furnishing the English translation later the <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date [37 C.F.R. 1.492(f)]. +  |              |   |  | \$                                  |              |
| TOTAL NATIONAL FEE =  |              |   |  | \$                                  |              |
| Fee for recording the enclosed assignment [37 C.F.R. 1.21(h)]. The assignment must be accompanied by an appropriate cover sheet (37 C.F.R. 3.28, 3.31). \$40.00 per property +  |              |   |  | \$                                  |              |
| TOTAL FEES ENCLOSED =   |              |   |  | \$                                  |              |
|   |              |   |  | Amount to be refunded               | \$           |
|   |              |   |  | Charged                             | \$ 130.00    |
| a. <input type="checkbox"/> Check # _____ in the amount of \$ _____ to cover the above fees is enclosed.<br>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. 01-2300 in the amount of \$ 130.00 to cover the above fee.<br>c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 01-2300. |              |   |  |                                     |              |
| NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive (37 C.F.R. 1.137(a) or (b)) must be filed and granted to restore the application to pending status.   |              |   |  |                                     |              |
| SEND ALL CORRESPONDENCE TO:<br>Customer No. 004372<br>Arent Fox PLLC<br>1050 Connecticut Avenue, N.W.<br>Suite 400<br>Washington, D.C. 20036-5339<br>Tel: (202) 857-6000 Fax: (202) 638-4810  |              |   | <br>George E. Oram, Jr.<br>Reg. No. 27,931 |                                     |              |
| GEO:mmg   |              |   |  |                                     |              |